

Sample Type: Sediment	Sample Number: <u>010501 SBDS01SS</u> Date: <u>5/1/01</u>		
Project: Bradford Island	Project Number: <u>52-00080001.00</u> Task: <u>00004</u>		
Weather Conditions: Overcast/rainy	Sample Matrix: Sediment		
	Comments:		
PID/FID Backgd: N/A / N/A ppm	Sample Location: Sandblast Building		
Head Space $N/A / N/A$ ppm	Drain System #1 (easternmost drain)		
	Sample Depth:		
P.I.D/FID Calibration Standard:	Sample Time: 1730		
P.I.D./FID Calibration Date :	Number of Sample Containers: 9		
Soil Type: (USCS) GP	Analyses		
Description: Poorly graded sandy gravel, brow	vn-gray, 1. VOC 2. PCBs		
saturated (see field notebook for o	description). 3. Butyltins 4. TOC		
	5. Metals 6. NWTPH-HCID		
	7. SVOCs 8.		
	Other Field Measurements:		
	QA/QC samples: <u>Duplicate</u> , QA, MS/MSD**		
	Sampling Method: Grab		
Decontamination Method: N/A – Dedicated s	steel spoon, Grab: X Composite:		
gloves	Sampler (s): B.P. McNamara/M. Novak		
Signature:			
			
**Collected primary & QA (both with	the same label identification)		
Collected duplicate sample #010501S	BMS02SS		
Invertebrate Sample Observations: N/A			
General Comments: <u>Sediment collected from c</u>	atchbasin. Approximately 6" standing water. Had to remove catch basin lid		
and sediment blanket to collect the sample from	within the catchbasin		

Sample Type: Sediment	ample Number: 010501 SBDS035	SS Date: <u>5/1/01</u>
Project: Bradford Island	Project Number: <u>52-00080001.00</u>	Task:00004
Weather Conditions: Overcast/rainy	Sample Matrix:	Sediment
	Comments:	Poor Sample – Mostly gravel
PID/FID Backgd: N/A / N/A ppm	Sample Location	n: Sandblast Building
Head Space N/A / N/A ppm	Drain S	ystem – Drain #2 (westernmost drain)
	Sample Depth:_	
P.I.D/FID Calibration Standard: <u>N/A</u>	Sample Time:	1800
P.I.D./FID Calibration Date : <u>N/A</u>	Number of Samp	ple Containers: 2
Soil Type: (USCS)GP-GW		Analyses
Description: Poorly graded to well graded grav	(90%) with 1. VOC	2. PCBs
some sand (10%), poorly graded, brown-gray, sa	<u>arated, very</u> 3. Butyltins	4. TOC
little fines.	5. Metals	6. NWTPH-HCID
	7. SVOCs	8.
	Other Field Mea	surements: N/A
	_	: None
		d: Grab
Decontamination Method: None – Dedicated		Composite:
spoon, gloves.	_	B.P. McNamara/M. Novak
	Signature	
Water Quality Observations: N/A		
water Quanty Observations.		
Invertebrate Sample Observations: N/A		
invertebrate Sample Observations.		
General Comments: Poor sample due to prevale	ce of gravel and pebbles. Could or	nly fill 2 out of 3 sample containers.
Sample mainly consisted of gravel that fell through	h catchbasin grate (no sediment bla	anket present). Sample not analyzed.

Sample Type: Sediment	Sample Number:	<u>010502IW01SS</u> Date: <u>5/2/01</u>		
Project: Bradford Island	Project Number:	52-00080001.00 Task: 00004		
Weather Conditions: Overcast - 55°F		Sample Matrix: Sediment		
		Comments:		
PID/FID Backgd: N/A / N/A ppm		Sample Location: Pile #2 - East Perimeter of pile		
Head Space N/A / N/A ppm				
		Sample Depth: ~ 35' below surface of river		
P.I.D/FID Calibration Standard: N/A		Sample Time: 1040		
P.I.D./FID Calibration Date : N/A		Number of Sample Containers: jar, bag (grain size)		
Soil Type: (USCS) GP-SP		Analyses		
Description: Poorly graded gravel and gravelly	sand (gravel	1. 8082 2. Metals		
80%, sand 15%, cobbles 5%); rounded cobbles	up to 4" in	3. 8081 4. NWTPH-HCID		
diameter. Sand was brown-dark gray, saturated	l. Very little fines	5. 8151 6. 9060		
present.		7. 8270 8.		
		Other Field Measurements: N/A		
		QA/QC samples:		
		Sampling Method: <u>Diver collected sample with spoon.</u>		
Decontamination Method: None – Dedicated stainless steel		Grab: X Composite: N/A		
spoon		Sampler (s): R. La Plant, B.P. McNamara, M. Novak		
		Signature:		
Water Quality Observations: N/A				
		_		
		_		
Invertebrate Sample Observations: N/A				
		nat with sample containers and spoon. Diver placed		
sediment into containers and returned to boat w	th the collected sa	ample.		

Sample Type: Sediment	Sample Number:	010502IW02SS		Date: _	5/2/01
Project: Bradford Island	Project Number:	52-00080001.00		Task: _	00004
Weather Conditions: Partly Sunny - 55°F		Sample Matrix:	Sediment		
	Comments:				
PID/FID Backgd: N/A / N/A ppm		Sample Location	: <u>Pile #2</u>		
Head Space N/A / N/A ppm					
		Sample Depth:_	40' below su	rface of	river
P.I.D/FID Calibration Standard: N/A		Sample Time: 1030			
P.I.D./FID Calibration Date : N/A		Number of Samp	ole Containers: _	2 glas	ss jars
Soil Type: (USCS) GP-SP			Analy	ses	
Description: Poorly graded gravel and gravelly sa	and (gravel	1.	2.		
80%, sand 15%, cobbles 5%) Rounded cobbles u	<u>ip to 4" in</u>	3. 4.			
diameter. Sand was brown-dark gray, saturated.	Very little fines	5.	5. 6.		
present.		7. 8.			
		Other Field Mea	surements: N/A		
December in attention Methods Non- Dedicated		Sampling Method: <u>Diver collected sample with spoon</u> Grab: <u>X</u> Composite:			
Decontamination Method: None – Dedicated s		Sampler (s): R. La Plant, B.P. McNamara, M. Novak			
spoon.					amara, IVI. NOVAK
		Signature.			
Water Quality Observations: N/A					
water quanty observations					
Invertebrate Sample Observations: N/A					
General Comments: <u>Diver proceeded to river bot</u>		t with sample cont	ainers and spoon	. Diver	placed sediment
into containers and returned to boat with the colle	ected sample.				

Sample Type: Sediment-Water Column Sample Number:	<u>010502IW03WCS</u> Date: <u>5/2/01</u>			
Project: Bradford Island Project Number:	<u>52-00080001.00</u> Task: <u>00004</u>			
Weather Conditions: Sunny - 60°F	Sample Matrix: Water Column, sediment, water			
	Comments: Collected duplicate, MS, MSD			
L				
PID/FID Backgd: N/A / N/A ppm	Sample Location: Pile #1 - Within Pile at previous sample			
Head Space N/A / N/A ppm	location 001219BIL03SD			
	Sample Depth: 12' below water surface			
P.I.D/FID Calibration Standard: N/A	Sample Time: 1400			
P.I.D./FID Calibration Date : N/A	No. of Sample Containers: 1 glass jar, 4 1 gal. amber bottles			
Soil Type: (USCS) <u>GP-SP</u>	Analyses			
Description: Poorly graded gravel and gravelly sand (gravel	1. 2.			
50%, sand 40%). Sand was brown-dark gray, saturated. Very	3. 4.			
little fines present (<10%).	5. 6.			
	7. 8.			
	Other Field Measurements: N/A			
	QA/QC samples: <u>Duplicate, MS, MSD</u>			
	Sampling Method: <u>Grab (sediment), peristaltic pump (water)</u>			
Decontamination Method: None – Dedicated stainless steel	Grab: X Composite:			
spoon for sediment, new PVC tubing (3/8" OD, 1/4" ID) for	Sampler (s): B. Dye, B.P. McNamara, M. Novak			
water	Signature:			
Water Quality Observations: Collected duplicate sample #0105021W05WCS at 1410. Collected water column sediment sample				
#010502IW04SS.				
Invertebrate Sample Observations: N/A				
invertebrate Sample Observations. N/A	·			
General Comments: <u>Diver proceeded to river bottom from the boa</u>	at with sample container, spoon, and peristaltic pump			
tubing. Diver placed sediment into container with spoon. Diver t				
pump was used to bring water sample to surface for collection.				

Sample Type: Water Column	Sample Number:	010502IW06WCS	Date:5/2/01	
Project: Bradford Island	Project Number:	52-00080001.00	Task: <u>00004</u>	
Weather Conditions: Sunny - 65°F		Sample Matrix:	Water Column (sediment and water)	
		Comments:		
L				
PID/FID Backgd: N/A / N/A ppm		Sample Location:	Pile #1 within pile and previous sample	
Head Space N/A / N/A ppm		location 001219BII	L01SD	
		Sample Depth: 2	28' below water surface	
P.I.D/FID Calibration Standard: <u>N/A</u>		Sample Time: 1:	525	
P.I.D./FID Calibration Date : N/A		No. of Sample Cont	tainers: 1 glass jar, 1 gallon amber	
Soil Type: (USCS) GP-SP			Analyses	
Description: Poorly graded gravel and gravelly s	sand (gravel	1.	2.	
60%, coarse sand 35%, fines 5%). Sand was bro	own-dark gray,	3. 4.		
saturated.		5.	6.	
		7.	8.	
		Other Field Measure	ements: N/A	
			//A	
			Grab (sediment), peristaltic pump (water)	
Decontamination Method: None – Dedicated stainless steel			Composite:	
spoon for Sediment, new PVC tubing (3/8" OD, 1/4" ID) for		_	. Dye, B.P. McNamara, M. Novak	
water.		Signature:		
With O Pro Observations of the Pro-	C - 1 1 - 1	1 1 . '41' . DVC	4 1 2 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	<u>-</u>		tubing. Used approximately 80' of tubing	
to reach sampling location (located 40' east o	_			
due to this (filled approximately 0.75 gallons in 20-30 min as diver agitated sediment at river bottom).				
Collected water column sediment sample #0105	02IW06\$\$		_	
Conceted water column sediment sample #0105	021 11 0055.			
Invertebrate Sample Observations: N/A				
General Comments: Diver proceeded to r	iver bottom from t	he boat with sample c	container, spoon, and peristaltic pump	
tubing. Diver placed sediment into container with spoon. Diver then agitated water column by hand and the peristaltic				
pump was used to bring water sample to surface for collection.				

Sample Type: Sediment Sample Number:	010502IW07SS Date: 5/2/01		
Project: Bradford Island Project Number: <u>52-00080001.00</u> Task: <u>00004</u>			
Weather Conditions: Sunny - 65°F Sample Matrix: Sediment			
	Comments:		
PID/FID Backgd: N/A / N/A ppm	Sample Location: Pile #1 Perimeter		
Head Space N/A / N/A ppm			
	Sample Depth:		
P.I.D/FID Calibration Standard: N/A	Sample Time: 1625		
P.I.D./FID Calibration Date : N/A	No. of Sample Containers: Glass jar		
Soil Type: (USCS)	Analyses		
Description: Poorly to well graded gravel and gravelly sand	1. 2.		
(gravel 60%, coarse sand 35%, fines 5%). Sand was brown-dark	3. 4.		
gray, saturated.	5. 6.		
-	7. 8.		
	Other Field Measurements: N/A		
	QA/QC samples: None collected.		
	Sampling Method: <u>Diver collected sample with spoon.</u>		
Decontamination Method: N/A – Dedicated stainless steel	Grab: X Composite:		
spoon.	Sampler (s): B. Dye, B.P. McNamara, M. Novak		
	Signature:		
Water Quality Observations: N/A			
Investable Comple Observations N/A			
Invertebrate Sample Observations: N/A	<u> </u>		
General Comments: Diver proceeded to river bottom from t	the boat with sample container and spoon. Diver placed		
sediment into container and returned to boat with the collected san			

Sample Type: Sediment Sample Number:	010502IW08SS Date: 5/2/01			
Project: Bradford Island Project Number: <u>52-00080001.00</u> Task: <u>00004</u>				
Weather Conditions: Sunny - 65°F Sample Matrix: Sediment				
	Comments:			
PID/FID Backgd: N/A / N/A ppm	Sample Location: Pile #1 - Perimeter			
Head Space N/A / N/A ppm				
	Sample Depth:			
P.I.D/FID Calibration Standard: N/A	Sample Time: 1645 No. of Sample Containers: Glass jar			
P.I.D./FID Calibration Date : N/A				
Soil Type: (USCS)	Analyses			
Description: Poorly to well graded gravel and gravelly sand	1. 2.			
(gravel 60%, coarse sand 35%, fines 5%). Sand was brown-dark	3. 4.			
gray, saturated.	5. 6.			
	7. 8.			
	Other Field Measurements: N/A			
	QA/QC samples: None			
	Sampling Method: <u>Diver collected sample with spoon.</u>			
Decontamination Method: None – Dedicated stainless steel	Grab: X Composite:			
spoon.	Sampler (s): B. Dye, B.P. McNamara, M. Novak			
	Signature:			
Water Quality Observations: N/A				
-	-			
Y A LONG TO THE STATE OF THE ST				
Invertebrate Sample Observations: N/A	•			
General Comments: Diver proceeded to river bottom from t	the boat with sample container and spoon. Diver placed			
sediment into container and returned to boat with the collected san				
Sedifficite into container and retained to some with the contests and	ipie.			

Sample Type: <u>Invertebrate - Tissue</u> Sample Number	: <u>010502IW09TS</u> Date: <u>5/1/01 to 5/2/01</u>			
Project: Bradford Island Project Number: 52-00080001.00 Task: 00004				
Weather Conditions: Intermittent Rain - 55°F Sample Matrix: Tissue (Bivalves)				
	Comments: Samples collected from 5/1/01 to 5/2/01			
PID/FID Backgd: N/A / N/A ppm	Sample Location: Pile #1. Bivalves collected from various			
Head Space N/A / N/A ppm	locations throughout pile.			
	Sample Depth: Various – collected throughout pile			
P.I.D/FID Calibration Standard: N/A	Sample Time: Various – collected from 5/1/01 to 5/2/01			
P.I.D./FID Calibration Date : N/A	No. of Sample Containers: <u>Two resealable bags</u>			
Soil Type: (USCS)	Analyses			
Description: See Invertebrate Sample observations below.	1. 2.			
Beschption. See Invertebrate Sample deservations below.	3. 4.			
	5. 6.			
	7. 8.			
	, J.			
	Other Field Measurements: Measured length, width & weight.			
	QA/QC samples: None			
	Sampling Method: <u>Grab by Diver</u>			
Decontamination Method: N/A	Grab: X Composite:			
	Sampler (s): D. Tsugawa, B.P. McNamara, M. Novak			
Signature:				
Water Quality Observations: N/A				
Invertebrate Sample Observations: 63 total bivalves (corbicula	flumiea) collected. Specimen shells were green-brown, were			
symmetrical, and were approximately the size of a quarter-dollar	coin. Average sizes are as follows:			
Length 21.22 millimeters				
Width 14.38 millimeters				
Weight: 7.87 grams				
General Comments: Bivalves were collected over two days	s, while diver performed other tasks. Diver collected			
specimens from the river bottom and placed them (temporarily) in a dedicated plastic collection container. Diver returned				
the specimens to the boat where they were measured, wrapped in acetone-rinsed foil, triple-bagged, and placed on ice.				

Sample Type: Water Column S	ample Number:	010503IW10WCS	Date:5/3/01
Project: Bradford Island P	roject Number:	52-00080001.00	Task: <u>00004</u>
Weather Conditions: Sunny - 65°F		Sample Matrix: Wa	ter Column
		Comments:	
PID/FID Backgd: N/A / N/A ppm		Sample Location: Go	ose Island – Background Location
Head Space N/A / N/A ppm			
		Sample Depth: 20)' below water surface
P.I.D/FID Calibration Standard: <u>N/A</u>		Sample Time: 0905	5
P.I.D./FID Calibration Date : N/A		No. of Sample Contain	ners: 1 glass jar & 1 amber gal. bottle
Soil Type: (USCS)SW-SP	<u>.</u>		Analyses
Description: Well graded to poorly graded gravel	ly sand.	1.	2.
Color is medium brown to dark grayish brown; sat	turated	3.	4.
(standing water w/in container). Grain size: coar	rse medium	5.	6.
sand 50%; silty (suspended in water) material 15%	; gravel (fine	7.	8.
to coarse20" – 1.5") 30%; organic material 5	% (roots, tree		
twigs).		Other Field Measurem	ents:
		QA/QC samples: <u>QA</u>	
			Grab and peristaltic pump
Decontamination Method: <u>Dedicated stainless s</u>	teel spoon for	Grab:	Composite:
sediment, new PVC tubing (3/8" OD, 1/4" ID) for v	vater.	Sampler (s): D. T	sugawa, B.P. McNamara, M. Novak
		Signature:	
Water Quality Observations: More silt present in this area of Goose Island. More fine material visible in PVC tubing.			
Collected water column sediment sample #010503	31W10SS. Sedi	ment is described above.	
Invertebrate Sample Observations: N/A			
			·····
General Comments: <u>Diver proceeded to river bottom from the boat with sample container, spoon, and peristaltic pump</u>			
tubing. Diver placed sediment into container with spoon. Diver then agitated water column by hand and the peristaltic			
pump was used to bring water sample to surface for collection.			

Sample Type: Water Column Sample Number	:: <u>010503IW11WCS</u> Date: <u>5/3/01</u>
Project: Bradford Island Project Number	: <u>52-00080001.00</u> Task: <u>00004</u>
Weather Conditions: Sunny - 70°F	Sample Matrix: Sediment, Water
	Comments:
PID/FID Backgd: N/A / N/A ppm	Sample Location: Pile #2 – within pile near lightning
Head Space N/A / N/A ppm	arrestor.
	Sample Depth: 23' below water surface
P.I.D/FID Calibration Standard: N/A	Sample Time: 1020
P.I.D./FID Calibration Date : N/A	No. of Sample Containers: 3 glass jars, one-gallon amber
Soil Type: (USCS)	Analyses
Description: Poorly graded gravelly sand. Color is dark brown;	1. 2.
saturated (standing water within container). Coarse to medium	3. 4.
sand predominates 60%; gravel is fine (0.25") 30%;	5. 6.
water/fines 10%.	7. 8.
	Other Field Measurements:
	QA/QC samples: <u>Duplicate, MS, MSD</u>
	Sampling Method:
Decontamination Method: None - Dedicated stainless steel	Grab: X Composite: Navaran M. Navaran
spoon for sediment, new PVC tubing (3/8" OD, 1/4" ID) for	Sampler (s): D. Tsugawa, B.P. McNamara, M. Novak Signature:
water.	Signature.
Water Quality Observations: Collected duplicate sample (#0105031W12SS) in one jar and MS/MSD in one jar
(#0105031S11SS).	#0103031 w 1233) in one jar and wi3/wi3D in one jar
(motosostistiss).	
Invertebrate Sample Observations: N/A	
General Comments: <u>Diver proceeded to river bottom from the bo</u>	oat with sample container, spoon, and peristaltic pump
tubing. Diver placed sediment into container with spoon. Diver	then agitated water column by hand and the peristaltic
pump was used to bring water sample to surface for collection.	

Sample Type: Sediment	Sample Number:	010503IW13SS	Date:5/3/01	
Project: Bradford Island	Project Number:	52-00080001.00	Task: <u>00004</u>	
Weather Conditions: Sunny - 70°F Sample Matrix: Sediment				
		Comments:		
PID/FID Backgd: N/A / N/A ppm		Sample Location: Pile #2		
Head Space N/A / N/A ppm				
		Sample Depth: 35' below	w water surface	
P.I.D/FID Calibration Standard: N/A		Sample Time: 1230		
P.I.D./FID Calibration Date : N/A		No. of Sample Containers:	1 Ziplock bag, 1 glass jar	
Soil Type: (USCS) SP-GP	<u>.</u>		Analyses	
Description: Poorly graded gravelly sand. Cole	or is dark brown;	1.	2.	
saturated (standing water within container). Co	parse to medium	3.	4.	
sand predominates 50-60%; gravel is fine (0	0.25") 40-50%;	5.	6.	
water/fines 5%. Standing water present with	in jar.	7.	8.	
Gravel size up to 1.5" in diameter.				
		Other Field Measurements:	: <u>N/A</u>	
		_	-11	
		Sampling Method: Diver Co	ollected sample with spoon.	
Decontamination Method: None - dedicated	stainless steel	Grab: X	Composite:	
Spoon.			awa., B.P. McNamara, M. Novak	
Water Quality Observations: N/A				
		_		
Invertebrate Sample Observations: N/A				
General Comments: <u>Diver proceeded to river b</u>	enttom from the hos	et with sample containers and	cnoon Diver placed	
sediment into containers and returned to boat w		-	•	
nature (gravel 1.5").			one (Expression, one in the one	
· · · · · · · · · · · · · · · · · · ·			<u> </u>	

Sample Type: Sediment	Sample Number:	010503IW14SS	Date:5/3/01
Project: Bradford Island	Project Number:	52-00080001.00	Task:00004
Weather Conditions: Sunny - 70°F		Sample Matrix: Sediment	<u>t</u>
		Comments:	
PID/FID Backgd: N/A / N/A ppm		Sample Location: Pile #2 – '	Within Pile
Head Space N/A / N/A ppm			
		Sample Depth: 30' below	water surface
P.I.D/FID Calibration Standard: N/A		Sample Time: 1240	
P.I.D./FID Calibration Date : <u>N/A</u>		No. of Sample Containers:	QA, Duplicate, MS & MSD
Soil Type: (USCS)SP	<u>.</u>	A	Analyses
Description: Poorly graded gravelly sand. Color	is dark brown;	1.	2.
saturated (standing water within container). Coa	rse to medium	3.	4.
sand predominates 60%; gravel is fine (0.25")	30%;	5.	6.
water/fines 10%.		7.	8.
		Other Field Measurements:	N/A
		QA/QC samples: QA, dupli	cate, MS & MSD
		Sampling Method: <u>Diver co</u>	llected sample with spoon.
Decontamination Method: None - dedicated st	ainless steel	Grab: X	Composite:
spoon.		Sampler (s): <u>D. Tsugawa, B.</u>	.P. McNamara, M. Novak
		Signature:	
Water Quality Observations: N/A			
Invertebrate Sample Observations: <u>N/A</u>			
General Comments: Collected MS/MSD/QA san	•	• •	•
river bottom from the boat with sample containe	rs and spoon. Div	ver placed sediment into conta	iners and returned to boat
with the collected sample.			

Sample Type: Sediment	Sample Number:	010503IW16SS		Date: _	5/3/01
Project: Bradford Island	Project Number:	52-00080001.00	, , , , , , , , , , , , , , , , , , ,	Task: _	00004
Weather Conditions: Sunny - 70°F		Sample Matrix	: Sediment		
		Comments:			
PID/FID Backgd: N/A / N/A ppm		Sample Location	n Pile #2 – west p	erimete	er_
Head Space N/A / N/A ppm					
		Sample Depth:_	38' below water	surfac	<u>e</u>
P.I.D/FID Calibration Standard: N/A		Sample Time:	1340		
P.I.D./FID Calibration Date : <u>N/A</u>		No. of Sample C	Containers: 1 glas	s jar	
Soil Type: (USCS) SP	<u>.</u>		Analys	ses	
Description: Poorly graded gravelly sand. Color	is dark brown;	1.	2.		
saturated (standing water within container). Coa	rse to medium	3.	4.		
sand predominates 60%; gravel is fine (0.25")	30%;	5.	6.		
water/fines 10%.		7.	8.		
		Other Field Mea	surements:	N/A	
		·			
		QA/QC samples	:: <u>N/A</u>		
		Sampling Metho	od: <u>Diver collected</u>	l sampl	e with spoon.
Decontamination Method: None. Dedicated st	tainless steel.	Grab: X	Comp	osite:	
spoon.		Sampler (s):	R. LaPlant., B.P	. McNa	amara, M. Novak
		Signature:			
Water Quality Observations: N/A					
Invertebrate Sample Observations: N/A					
					•
General Comments: Diver proceed	eded to river botto	m from the boot w	vith sample contain	ner end	snoon Diver
placed sediment into container and returned to be			viai sampie contan	nci and	гарооп. Бтуст
paces seament into container and returned to be	sat with the collect	nea sumple.			

Sample Type: <u>Sediment</u> Sample Number:	<u>010503IW17SS</u> Date: <u>5/3/01</u>
Project: Bradford Island Project Number:	52-00080001.00 Task: <u>00004</u>
Weather Conditions: Sunny - 70°F	Sample Matrix: Sediment
	Comments:
PID/FID Backgd: N/A / N/A ppm	Sample Location Pile #2 – Within Pile
Head Space N/A / N/A ppm	
	Sample Depth: 35' below water surface
P.I.D/FID Calibration Standard: N/A	Sample Time: 1350
P.I.D./FID Calibration Date : N/A	No. of Sample Containers: 1 glass jar
Soil Type: (USCS)SP	Analyses
Description: Poorly graded gravelly sand. Color is dark brown;	1. 2.
saturated (standing water within container). Coarse to medium	3. 4.
sand predominates 60%; gravel is fine (0.25") 30%;	5. 6.
water/fines 10%.	7. 8.
,	
	Other Field Measurements: N/A
	QA/QC samples: None
	Sampling Method: <u>Diver collected sample with spoon.</u>
Decontamination Method: None - dedicated stainless steel	Crah. V Composito:
	Grab: X Composite: Sampler (s): R. LaPlant., B.P. McNamara, M. Novak
spoon.	Signature:
	Signature.
Water Quality Observations: N/A	
Invertebrate Sample Observations: N/A	
, 	
General Comments: <u>Diver proceeded to river botte</u>	om from the boat with sample container and spoon. Diver
placed sediment into container and returned to boat with the colle	cted sample.

Sample Type: Sediment	Sample Number:	010503SBDS18SS	I	Date: _	5/3/01
Project: Bradford Island	Project Number:	52-00080001.00		Гask: _	00004
Weather Conditions: Sunny - 70°F		Sample Matrix: _	Sediment		
		Comments:			
PID/FID Backgd: N/A / N/A ppm		Sample Location 1	Drain Outfall #2	r	
Head Space N/A / N/A ppm					
		Sample Depth: 8	8' and 14' (not e	nough	sediment @ 8')
P.I.D/FID Calibration Standard: N/A		Sample Time: 1	1540		
P.I.D./FID Calibration Date : N/A		No. of Sample Cor	ntainers: <u>1 glass</u>	s jar, 2	liter plastic for TBT
Soil Type: (USCS)SP-SM	<u>.</u>		Analyse	es	
Description: Poorly graded medium sand with s	ome gravel.	2.	2.		
Dark brown/gray; saturated (standing water with	in containers).	4.	4.		
Medium sand predominates (70%) some gravel		6.	6.		
10-20% and silt (10-15%). Gravel present up to	2" in	8.	8.		
diameter.					
		Other Field Measu	rements:	N/A	
		QA/QC samples: 1	None		
				_	e with spoon.
Decontamination Method: None - dedicated stai	nless steel	Grab: X	Comp	osite: _	
spoon.		Sampler (s):I			
	_	Signature:			
Water Quality Observations:					
La callada Carrell Olara d'arra NA					
Invertebrate Sample Observations: N/A					
General Comments: Contains (sample doe	s) algal-like mate	rial – greenish-brown	n, flaky, suspend	ded). [Diver moved
to 14' below water surface (from 8') due to lack	. •	•	• •		
sample container and spoon. Diver placed sedin		_			

Sample Type: Sediment Sample Number	: <u>010503SBDS19SS</u> Date: <u>5/3/01</u>
Project: Bradford Island Project Number:	
Weather Conditions: Sunny - 70°F	Sample Matrix: Sediment
	Comments:
PID/FID Backgd: N/A / N/A ppm	Sample Location <u>Drain #1 (eastern drain outfall)</u>
Head Space N/A / N/A ppm	·
	Sample Depth: 3' below water surface
P.I.D/FID Calibration Standard:N/A	Sample Time: 1605
P.I.D./FID Calibration Date : <u>N/A</u>	No. of Sample Containers: 1 glass jar, 6 liter plastic for TBT
Soil Type: (USCS)	Analyses
Description: Poorly graded medium sand with some gravel.	1. 2.
Dark brown/gray; saturated (standing water within containers).	3. 4.
Medium-sand predominates (70%) some gravel 10-20% and	5. 6.
silt (10-15%). Gravel present up to 2" in diameter.	7. 8.
·	
	Other Field Measurements: N/A
	QA/QC samples: MS, MSD, Duplicate
	Sampling Method: <u>Diver collected sample with spoon.</u>
Decontamination Method: None - dedicated stainless steel	Grab: X Composite:
spoon.	Sampler (s): R. LaPlant., B.P. McNamara, M. Novak
	Signature:
	water column. Material appears greenish-brown, 2 mm or smaller,
planar-shaped, and is easily entrained with slight agitation.	
Investable Commission Characteristics N/A	
Invertebrate Sample Observations: N/A	
General Comments: Sample #010503SBDS20SS is the dup	plicate sample. Diver proceeded to river bottom from the
boat with sample containers and spoon. Diver placed sediment in	
sample.	22 12 12 12 12 12 12 12 12 12 12 12 12 1

Sample Type: <u>Tissue</u>	Sample Number:	0105031W21TS	Da	ate: <u>5/3/01</u>
Project: Bradford Island	Project Number:	52-00080001.00	Ta	sk: <u>00004</u>
Weather Conditions: Sunny		Sample Matrix	: Tissue (Bivalves))
		Comments:		
PID/FID Backgd: N/A / N/A ppm		Sample Location	n Background locati	on (Goose Island)
Head Space N/A / N/A ppm				
		Sample Depth:_	Various – from riv	er bottom.
P.I.D/FID Calibration Standard: N/A				d on 5/3/1.
P.I.D./FID Calibration Date : N/A		No. of Sample C	Containers: <u>1 reseal</u>	able bag
Soil Type: (USCS)			Analyses	
Description: See Invertebrate Sample observation		1.	2.	
		3.	4.	
	_	5.	6.	
		7.	8.	
		7.	0.	
		Other Field Mes	suramants: Massura	d length, width & weight
		Other Field Wice	isurements. <u>Weasure</u>	d length, width & weight
		OA/OC samples	: N/A	
	_			
Decontamination Method: N/A				site:
			_	McNamara, M. Novak
		_	_	
		~18		
Water Quality Observations: N/A				
water Quarty Observations. 14/1				
Invertebrate Sample Observations: Collected 5	50 total bivalves (corbicula flumiea)	Specimen shells w	ere green-brown were
symmetrical, and were approximately the size of			_	<u>oro green ero mi, mero</u>
Length 24.25 millimeters	i u quarter domar c	om. Tivorage size	s are as ronows.	
Width 16.39 millimeters				
Weight: scale became inoperable				
General Comments: Bivalves were collect	ted over several he	ours while boat wa	us anchored at Goose	Elsland. Diver
collected specimens from the river bottom and p				
returned the specimens to the boat where they w	_	•	_	
ice.			, , , , , , , , , , , , , , , , , , , ,	<u> </u>
				

Sample Type: <u>Invertebrate (clams)</u> Sample Numb	er: <u>0105031W23TS</u> Date: <u>5/1/01 to 5/3/01</u>
Project: Bradford Island Project Number	er: <u>52-00080001.00</u> Task: <u>00004</u>
Weather Conditions:	Sample Matrix: <u>Tissue (Bivalves)</u>
	Comments:
PID/FID Backgd: N/A / N/A ppm	Sample Location: Pile #2. Bivalves collected from various
Head Space N/A / N/A ppm	locations throughout pile.
	Sample Depth: Various – collected throughout pile.
P.I.D/FID Calibration Standard: <u>N/A</u>	Sample Time: Various - collected from 5/1/1 to 5/3/1.
P.I.D./FID Calibration Date : <u>N/A</u>	No. of Sample Containers: 3 resealable bags
Soil Type: (USCS)N/A	_ Analyses
Description: See Invertebrate Sample observations below.	1. 2.
	3. 4.
	5. 6.
	7. 8.
	Other Field Measurements: Measured length, width & weight
	QA/QC samples: MS/MSD, Duplicate
	Sampling Method: <u>Grab by diver</u>
Decontamination Method: N/A	Grab: Composite:
	Sampler (s): Ben Dye, B.P. McNamara, M. Novak
	Signature:
Water Quality Observations: N/A	
Invertebrate Sample Observations: Collected 215 total	al bivalves (corbicula flumiea). Specimen shells were green-brown,
were symmetrical, and were approximately the size of a quarter	-dollar coin. Average sizes are as follows:
Length 23.10 millimeters	
Width 15.17 millimeters	
Weight 7.70 grams	
General Comments: Collected matrix spike (MS), matrix	
#0105031W24TS). Samples collected by diver over course of	
the river bottom and placed them (temporarily) in a dedicated p	
the boat where they were measured, wrapped in acetone-rinsed	foil, triple-bagged, and placed on ice.

Sample Type: <u>Invertebrate - Tissue</u> Sample Number:	0105031W22TS Date: 4/30/01 to 5/3/01
Project: Bradford Island Project Number:	_52-00080001.00 Task:00004
Weather Conditions: Rain - Intermittent	Sample Matrix: Tissue (Bivalves)
	Comments: Collected QA sample
PID/FID Backgd: N/A / N/A ppm	Sample Location Pile #2 Bivalves collected from
Head Space N/A / N/A ppm	various locations throughout pile.
	Sample Depth: Various – collected throughout pile
P.I.D/FID Calibration Standard:N/A	Sample Time: Various – samples collected from 4/30 to 5/3
P.I.D./FID Calibration Date : <u>N/A</u>	No. of Sample Containers: 2 resealable bags
Soil Type: (USCS) N/A .	Analyses
Description: See Invertebrate Sample observations below.	1. 2.
	3. 4.
	5. 6.
	7. 8.
	Other Field Measurements: Measured length, width & weight.
	QA/QC samples: Collected QA sample
	Sampling Method: <u>Grab by diver</u>
Decontamination Method: N/A	Grab: Composite:
	Sampler (s): R. LaPlant, B.P. McNamara, M. Novak
	Signature:
Water Quality Observations: N/A	
Invertebrate Sample Observations:	
Collected 145 total bivalves (corbicula flumiea). Specimen shells	were green-brown, were symmetrical, and were approximately the
size of a quarter-dollar coin. Average sizes are as follows:	
Length 26.56 millimeters	
Width 16.47 millimeters	
Weight 19.44 grams	
General Comments: Collected QA sample #0105031W22T	S. Samples collected by diver over course of four days.
Diver collected specimens from the river bottom and placed them	(temporarily) in a dedicated plastic collection container.
Diver returned the specimens to the boat where they were measur	ed, wrapped in acetone-rinsed foil, triple-bagged, and
placed on ice.	

Sample Type: Sediment Sample Number	er: <u>010504SBDS24SS</u> Date: <u>5/4/01</u>
Project: Bradford Island Project Number	r: <u>52-00080001.00</u> Task: <u>00004</u>
Weather Conditions: Sunny, 65° F, windy	Sample Matrix: Sediment
	Comments:
PID/FID Backgd: N/A / N/A ppm	Sample Location Sandblast Building. Catch Basin #2 (wester
Head Space N/A / N/A ppm	drain).
	Sample Depth: < 6" below ground surface.
P.I.D/FID Calibration Standard: N/A	Sample Time: 1500
P.I.D./FID Calibration Date : <u>N/A</u>	No. of Sample Containers:
Soil Type: (USCS) SM	Analyses
Description: Silty sand. Color is brown to dark brown; wet, no	1. 2.
cementation. Grain size: medium to coarse sand (65-75%),	3. 4.
silt (5%), organic material (20-35%). Organic material	5. 6.
consists of grass vegetation, roots, dead leaves. Thin veneer of	7. 8.
this sediment (< 6") on top of gravel and rock.	
	Other Field Measurements: N/A
-	
	QA/QC samples: None
Decontamination Method: None - dedicated stainless steel	Sampling Method: Grab with spoon. Grab: X Composite:
spoon used.	C 1 () DDMN
spoon used.	Signature:
	Signature.
Water Quality Observations: N/A	
Trace Quality Observations. 1971	
Invertebrate Sample Observations: N/A	
General Comments: Poor sample collected from the drain on 5/	1/01 (mostly gravel and pebbles with the catch basin.
USACE (P. Huebschman) requested we collect this san	nple from the low area surrounding the catch basin.

Sample Type: <u>Invertebrate - Tissue</u> Sample Num	nber: <u>0105031W28TS</u> Date: <u>5/9/01 & 6/19/01</u>
Project: Bradford Island Project Num	nber: <u>52-00080001.00</u> Task: <u>00004</u>
Weather Conditions: Sunny	Sample Matrix: <u>Tissue (Crayfish)</u>
	Comments:
PID/FID Backgd: N/A / N/A ppm	Sample Location: Pile #1
Head Space N/A / N/A ppm	
	Sample Depth: Various – collected throughout pile
P.I.D/FID Calibration Standard: N/A	Sample Time: Various – samples collected on 5/9/01 & 6/19/01
P.I.D./FID Calibration Date : <u>N/A</u>	No. of Sample Containers: <u>1 resealable bag</u>
Soil Type: (USCS) N/A	Analyses
Description: See Invertebrate Sample observations below.	
	4. 4.
	6. 6.
	8. 8.
	_
	Other Field Measurements: Measured claw length, abdomen
	length & weight.
	QA/QC samples: None
	Sampling Method: Baited (with canned tuna) crayfish traps.
Decontamination Method: N/A	Grab: X Composite:
	Sampler (s): B.P. McNamara, M. Novak, C.Moody
	Signature:
Water Quality Observations: N/A	
Invertebrate Sample Observations:	
Collected 6 total Crayfish (pacifastacus sp.). Specimens were	e dark red-brown. Average sizes are as follows:
Weight: 10.8 grans	
Length: 7.2mm	
<u>Claw: 3.1 mm</u>	
-	/01 and traps were rebaited due to low specimen numbers.
	vere removed from traps, measured, wrapped in acetone-rinsed
foil, triple-bagged, and placed on ice.	

Project Number: 52-00080001.00 Task: 00004 Weather Conditions: Summy Sample Matrix: Tissue (Crayfish) Comments: PID/FID Backgd: N/A/N/A ppm Sample Location: Pile #2 PLD/FID Backgd: N/A/N/A ppm Sample Depth: Various - collected throughout pile PLD/FID Calibration Standard: N/A Sample Depth: Various - samples collected on 5-9/01 & 6-19-0 No. of Sample Time: Various - samples collected on 5-9/01 & 6-19-0 No. of Sample Containers: I rescalable hag PLD/FID Calibration Date: N/A Sample observations below. Soil Type: (USCS) N/A Analyses John Comments: I rescalable hag Other Field Measurements: Measured claw length, abdomen length & weight. Q-QC samples: QA sample sent to USACE lab by Battelle Laboratory. Sampling Method: Baited (with canned tuna) crayfish traps. Grab: X Composite: Sampler (s): B.P. McNamara, M. Novak, C.Moody Signature: Water Quality Observations: N/A Invertebrate Sample Observations: Collected 17 total crayfish (pacifastacus sp.). Specimens were dark red-brown. Average sizes are as follows: Weight: 20.2 grams Length: 9.0 mm. Claw: 4.5 mm General Comments: Samples collected on 5:9/01 and traps were rebaited due to low specimen numbers. URS etturned on 6:1/9/1 to retrieve traps again. Specimens were removed from traps, measured, wrapped in acctone-rinsed foil, triple-bagged, and placed on ice.	Sample Type: <u>Invertebrate - Tissue</u> Sample Numb	er: <u>0105031W27TS</u> Date: <u>5/9/01 & 6/19/01</u>
PIDFID Backgd: N/A/N/A ppm Sample Location: Pile #2	Project: Bradford Island Project Number	er: <u>52-00080001.00</u> Task: <u>00004</u>
PID/FID Backgd: N/A / N/A ppm Sample Location: Pile #2 Head Space N/A / N/A ppm Sample Depth: Various – collected throughout pile Sample Depth: Various – collected throughout pile Sample Time: Various – samples collected on 5:9/01 & 6:19/0. No. of Sample Containers: 1 resealable bag No. of Sample Containers: 1 resealable bag Analyses 3. 2. 5. 4. 7. 6. 9. 8. Other Field Measurements: Measured claw length, abdomen length & weight. QA/QC samples: QA sample sent to USACE lab by Battelle Laboratory. Sampler (s): B.P. McNamara, M. Novak, C. Moody Signature: Water Quality Observations: N/A Invertebrate Sample Observations: Collected 17 total crayfish (pacifastacus sp.). Specimens were dark red-brown. Average sizes are as follows: Weight: 20.2 grams Length: 9.0 mm Claw: 4.5 mm General Comments: Samples collected on 5:9/01 and traps were rebaited due to low specimen numbers. URS returned on 6:19/1 to retrieve traps again. Specimens were removed from traps, measured, wrapped in acetone-rinsed foil,	Weather Conditions: Sunny	Sample Matrix:Tissue (Crayfish)
Head Space NA/N/A ppm Sample Depth:Variouscollected throughout pile P.I.D/FID Calibration Standard:N/A		Comments:
Head Space NA/N/A ppm Sample Depth:Variouscollected throughout pile P.I.D/FID Calibration Standard:N/A		
Sample Depth: Various – collected throughout pile P.I.D/FID Calibration Standard: N/A P.I.D/FID Calibration Date: N/A No. of Sample Containers: 1 rescalable bag Soil Type: (USCS) N/A Description: See Invertebrate Sample observations below. Soil Type: (USCS) N/A Description: See Invertebrate Sample observations below. Soil Type: (USCS) N/A Description: See Invertebrate Sample observations below. Soil Type: (USCS) N/A Description: See Invertebrate Sample observations below. Soil Type: (USCS) N/A Description: See Invertebrate Sample observations below. Soil Type: (USCS) N/A Description: See Invertebrate Sample observations below. Soil Type: (USCS) N/A Description: See Invertebrate Sample observations below. Soil Type: (USCS) N/A Soil Type: (USC) N/A Soil Typ	PID/FID Backgd: N/A / N/A ppm	Sample Location: Pile #2
P.I.D/FID Calibration Standard: N/A Sample Time: Various – samples collected on 5:9:01 & 6/19:00 No. of Sample Containers: I resealable bag Soil Type: (USCS) N/A Analyses 3. 2. 5. 4. 7. 6. 9. 8. Other Field Measurements: Measured claw length, abdomen length & weight. QA/QC samples: QA sample sent to USACE lab by Battelle Laboratory. Sampling Method: Baited (with canned tuna) crayfish traps. Decontamination Method: N/A Grab: X Composite: Sampler (s): B.P. MeNamara, M. Novak, C.Moody Signature: Water Quality Observations: N/A Invertebrate Sample Observations: Collected 17 total crayfish (pacifastacus sp.). Specimens were dark red-brown. Average sizes are as follows: Weight: 20.2 grams Length: 9.0 mm Claw: 4.5 mm General Comments: Samples collected on 5:9/01 and traps were rebaited due to low specimen numbers. URS returned on 6/19/1 to retrieve traps again. Specimens were removed from traps, measured, wrapped in acetone-rinsed foil,	Head Space N/A / N/A ppm	
P.I.D./FID Calibration Date: N/A No. of Sample Containers: I rescalable bag Soil Type: (USCS) N/A Description: See Invertebrate Sample observations below. Description: See Invertebrate Sample observations below. Other Field Measurements: Measured claw length, abdomen length & weight. QA/QC samples: QA sample sent to USACE lab by Battelle Laboratory. Sampling Method: Baited (with canned tuna) crayfish traps. Grab: X Composite: Sample observations: N/A Water Quality Observations: N/A Invertebrate Sample Observations: Collected 17 total crayfish (pacifastacus sp.). Specimens were dark red-brown. Average sizes are as follows: Weight: 20.2 grams Length: 9.0 mm Claw: 4.5 mm General Comments: Samples collected on 5:9/01 and traps were rebaited due to low specimen numbers. URS returned on 6/19/1 to retrieve traps again. Specimens were removed from traps, measured, wrapped in acetone-rinsed foil,		Sample Depth: Various – collected throughout pile
Soil Type: (USCS) N/A Description: See Invertebrate Sample observations below. See Invertebrate Sample observations below. Other Field Measurements: Measured claw length, abdomen length & weight. QA/QC samples: QA sample sent to USACE lab by Battelft. Laboratory. Sampling Method: Baited (with canned tuna) crayfish traps. Grab: X Composite: Sampler (s): B.P. McNamara, M. Novak, C.Moody Signature: Water Quality Observations: N/A Invertebrate Sample Observations: Collected 17 total crayfish (pacifastacus sp.). Specimens were dark red-brown. Average sizes are as follows: Weight: 20.2 grams Length: 9.0 mm Claw: 4.5 mm General Comments: Samples collected on 5/9/01 and traps were rebaited due to low specimen numbers. URS returned on 6/19/1 to retrieve traps again. Specimens were removed from traps, measured, wrapped in acctone-rinsed foil,	P.I.D/FID Calibration Standard: N/A	Sample Time: Various – samples collected on 5/9/01 & 6/19/01
Description: See Invertebrate Sample observations below. 3.	P.I.D./FID Calibration Date : N/A	No. of Sample Containers: 1 resealable bag
Description: See Invertebrate Sample observations below. 3.	Soil Type: (USCS) N/A	. Analyses
5. 4. 7. 6. 9. 8. Other Field Measurements: Measured claw length, abdomen length & weight. QA/QC samples: QA sample sent to USACE lab by Battelle Laboratory. Sampling Method: Baited (with canned tuna) cravfish traps. Decontamination Method: N/A Grab: X Composite: Sampler (s): B.P. McNamara, M. Novak, C.Moody Signature: Water Quality Observations: N/A Invertebrate Sample Observations: Collected 17 total cravfish (pacifastacus sp.). Specimens were dark red-brown. Average sizes are as follows: Weight: 20.2 grams Length: 9.0 mm Claw: 4.5 mm General Comments: Samples collected on 5/9/01 and traps were rebaited due to low specimen numbers. URS returned on 6/19/1 to retrieve traps again. Specimens were removed from traps, measured, wrapped in acetone-rinsed foil.		
7. 6. 9. 8. Other Field Measurements: Measured claw length, abdomen length & weight. QA/QC samples: QA sample sent to USACE lab by Battelle Laboratory. Sampling Method: Baited (with canned tuna) crayfish traps. Decontamination Method: N/A Grab: X Composite: Sampler (s): B.P. McNamara, M. Novak, C.Moody Signature: Water Quality Observations: N/A Invertebrate Sample Observations: Collected 17 total crayfish (pacifastacus sp.). Specimens were dark red-brown. Average sizes are as follows: Weight: 20.2 grams Length: 9.0 mm Claw: 4.5 mm General Comments: Samples collected on 5/9/01 and traps were rebaited due to low specimen numbers. URS returned on 6/19/1 to retrieve traps again. Specimens were removed from traps, measured, wrapped in acetone-rinsed foil.	*	
9. 8. Other Field Measurements:		
Other Field Measurements:		•
abdomen length & weight. QA/QC samples: _QA sample sent to USACE lab by Battelle Laboratory. Sampling Method: Baited (with canned tuna) crayfish traps. Decontamination Method: _N/A		, J
abdomen length & weight. QA/QC samples: _QA sample sent to USACE lab by Battelle Laboratory. Sampling Method: Baited (with canned tuna) crayfish traps. Decontamination Method: _N/A		Other Field Measurements: Measured claw length.
QA/QC samples:QA sample sent to USACE lab by Battells		
Decontamination Method: N/A Grab: X Composite: Sampler (s): B.P. McNamara, M. Novak, C.Moody Signature: Water Quality Observations: N/A Invertebrate Sample Observations: Collected 17 total crayfish (pacifastacus sp.). Specimens were dark red-brown. Average sizes are as follows: Weight: 20.2 grams Length: 9.0 mm Claw: 4.5 mm General Comments: Samples collected on 5/9/01 and traps were rebaited due to low specimen numbers. URS returned on 6/19/1 to retrieve traps again. Specimens were removed from traps, measured, wrapped in acetone-rinsed foil,		
Decontamination Method: N/A Grab: X Composite: Sampler (s): B.P. McNamara, M. Novak, C.Moody Signature: Water Quality Observations: N/A Invertebrate Sample Observations: Collected 17 total crayfish (pacifastacus sp.). Specimens were dark red-brown. Average sizes are as follows: Weight: 20.2 grams Length: 9.0 mm Claw: 4.5 mm General Comments: Samples collected on 5/9/01 and traps were rebaited due to low specimen numbers. URS returned on 6/19/1 to retrieve traps again. Specimens were removed from traps, measured, wrapped in acetone-rinsed foil,		
Decontamination Method: N/A Grab: X Composite: Sampler (s): B.P. McNamara, M. Novak, C.Moody Signature: Water Quality Observations: N/A Invertebrate Sample Observations: Collected 17 total crayfish (pacifastacus sp.). Specimens were dark red-brown. Average sizes are as follows: Weight: 20.2 grams Length: 9.0 mm Claw: 4.5 mm General Comments: Samples collected on 5/9/01 and traps were rebaited due to low specimen numbers. URS returned on 6/19/1 to retrieve traps again. Specimens were removed from traps, measured, wrapped in acetone-rinsed foil,		
Sampler (s): B.P. McNamara, M. Novak, C.Moody Signature: Water Quality Observations: N/A Invertebrate Sample Observations: Collected 17 total crayfish (pacifastacus sp.). Specimens were dark red-brown. Average sizes are as follows: Weight: 20.2 grams Length: 9.0 mm Claw: 4.5 mm General Comments: Samples collected on 5/9/01 and traps were rebaited due to low specimen numbers. URS returned on 6/19/1 to retrieve traps again. Specimens were removed from traps, measured, wrapped in acetone-rinsed foil,	Decontamination Method: N/A	
Water Quality Observations: N/A Invertebrate Sample Observations: Collected 17 total crayfish (pacifastacus sp.). Specimens were dark red-brown. Average sizes are as follows: Weight: 20.2 grams Length: 9.0 mm Claw: 4.5 mm General Comments: Samples collected on 5/9/01 and traps were rebaited due to low specimen numbers. URS returned on 6/19/1 to retrieve traps again. Specimens were removed from traps, measured, wrapped in acetone-rinsed foil,		-
Water Quality Observations: N/A Invertebrate Sample Observations: Collected 17 total crayfish (pacifastacus sp.). Specimens were dark red-brown. Average sizes are as follows: Weight: 20.2 grams Length: 9.0 mm Claw: 4.5 mm General Comments: Samples collected on 5/9/01 and traps were rebaited due to low specimen numbers. URS returned on 6/19/1 to retrieve traps again. Specimens were removed from traps, measured, wrapped in acetone-rinsed foil,		
Invertebrate Sample Observations: Collected 17 total crayfish (pacifastacus sp.). Specimens were dark red-brown. Average sizes are as follows: Weight: 20.2 grams Length: 9.0 mm Claw: 4.5 mm General Comments: Samples collected on 5/9/01 and traps were rebaited due to low specimen numbers. URS returned on 6/19/1 to retrieve traps again. Specimens were removed from traps, measured, wrapped in acetone-rinsed foil,		
Invertebrate Sample Observations: Collected 17 total crayfish (pacifastacus sp.). Specimens were dark red-brown. Average sizes are as follows: Weight: 20.2 grams Length: 9.0 mm Claw: 4.5 mm General Comments: Samples collected on 5/9/01 and traps were rebaited due to low specimen numbers. URS returned on 6/19/1 to retrieve traps again. Specimens were removed from traps, measured, wrapped in acetone-rinsed foil,	Water Quality Observations: N/A	
Collected 17 total crayfish (pacifastacus sp.). Specimens were dark red-brown. Average sizes are as follows: Weight: 20.2 grams Length: 9.0 mm Claw: 4.5 mm General Comments: Samples collected on 5/9/01 and traps were rebaited due to low specimen numbers. URS returned on 6/19/1 to retrieve traps again. Specimens were removed from traps, measured, wrapped in acetone-rinsed foil,	· · · · · · · · · · · · · · · · · · ·	
Collected 17 total crayfish (pacifastacus sp.). Specimens were dark red-brown. Average sizes are as follows: Weight: 20.2 grams Length: 9.0 mm Claw: 4.5 mm General Comments: Samples collected on 5/9/01 and traps were rebaited due to low specimen numbers. URS returned on 6/19/1 to retrieve traps again. Specimens were removed from traps, measured, wrapped in acetone-rinsed foil,		
Collected 17 total crayfish (pacifastacus sp.). Specimens were dark red-brown. Average sizes are as follows: Weight: 20.2 grams Length: 9.0 mm Claw: 4.5 mm General Comments: Samples collected on 5/9/01 and traps were rebaited due to low specimen numbers. URS returned on 6/19/1 to retrieve traps again. Specimens were removed from traps, measured, wrapped in acetone-rinsed foil,		
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returned on 6/19/1 to retrieve traps again. Specimens were removed from traps, measured, wrapped in acetone-rinsed foil,	General Comments: _ Samples collected on 5/9/01 and trai	ps were rebaited due to low specimen numbers. URS
		-

Sample Type:Invertebrate - Tissue	Sample Number:	0105031W29TS Date: 5/9/01 & 6/19/01
Project: Bradford Island	Project Number:	<u>52-00080001.00</u> Task: <u>00004</u>
Weather Conditions: Sunny		Sample Matrix: <u>Tissue (Crayfish)</u>
		Comments:
PID/FID Backgd: N/A / N/A ppm		Sample Location Background – Goose Island
Head Space N/A / N/A ppm		
		Sample Depth: Various – collected throughout pile
P.I.D/FID Calibration Standard: <u>N/A</u>		Sample Time: Various – samples collected on 5/9/01 & 6/19/01
P.I.D./FID Calibration Date : <u>N/A</u>		No. of Sample Containers: 1 resealable bag
Soil Type: (USCS) N/A	<u>.</u>	Analyses
Description: See Invertebrate Sample observati	ons below.	4. 2.
		6. 4.
		8. 6.
		10. 8.
		Other Field Measurements: Measured claw length.
		abdomen length & weight.
		QA/QC samples: None.
		Sampling Method: Baited (with canned tuna) crayfish traps.
Decontamination Method: N/A		Grab:
		Sampler (s): B.P. McNamara, M. Novak, C.Moody
		Signature:
Water Quality Observations: N/A		
Invertebrate Sample Observations:		
Collected 3 total crayfish (pacifastacus sp.). Sp	ecimens were dark	c red-brown. Average sizes are as follows:
Weight: 28.8 grams		
Length: 9.7 mm		
Claw: 3.4 mm		
General Comments: Samples collected or	n 5/9/01 and traps	were rebaited due to low specimen numbers. URS
	imens were remov	red from traps, measured, wrapped in acetone-rinsed foil,
triple-bagged, and placed on ice.		

Sample Type:Invertebrate - Tissue	Sample Number:	0105031W26TS	Date	e: <u>5/9/01 & 6/19/01</u>
Project: Bradford Island	Project Number:	52-00080001.00	Task	x: <u>00004</u>
Weather Conditions: Sunny		Sample Matrix	: Tissue (Crayfish)	
		Comments:		
PID/FID Backgd: N/A / N/A ppm		Sample Location	n: <u>Pile #2</u>	
Head Space N/A / N/A ppm				
		Sample Depth:_	Various – collected	throughout pile
P.I.D/FID Calibration Standard:N/A		Sample Time: V	arious – samples colle	cted on 5/9/01 & 6/19/01
P.I.D./FID Calibration Date : <u>N/A</u>		No. of Sample C	Containers: 3 resealab	le bags
Soil Type: (USCS) N/A	<u>.</u>		Analyses	
Description: See Invertebrate Sample observati	ons below.	5.	2.	
		7.	4.	
		9.	6.	
		11.	8.	
		Other Field Mea	asurements:	Measured claw
		length, abdomer	length & weight.	
		_	:: MS/MSD, Duplicate	
			od: Baited (with canne	
Decontamination Method: N/A				e: <u>X</u>
			B.P. McNamara, M.	
		Signature:		
Water Quality Observations: N/A				
Invertebrate Sample Observations:				
Collected 33 total crayfish (pacifastacus sp.). S	Specimens were da	rk red-brown Ave	erage sizes are as follo	ws:
W. 1 1 10 2	pecimens were dai		stage sizes are as folio	<u>ws.</u>
Length: 71.5 mm				
Claw: 35.1 mm				
General Comments: Samples collected on 5/9/01 and traps were rebaited due to low specimen numbers.				
URS returned on 6/19/1 to retrieve traps again.	Specimens were r	emoved from traps	s, measured, wrapped	in acetone-rinsed
foil, triple-bagged, and placed on ice.				

Sample Type: SPMD Sample I	Number: 010619RQ01 Date: 6/19/01	
Project: Bradford Island Project N	Number: <u>52-00080001.00</u> Task: <u>00004</u>	
Weather Conditions: Sunny	Sample Matrix: <u>Semipermeable Membrane Device</u>	
	Comments:	
PID/FID Backgd: N/A / N/A ppm	Sample Location: Pile #2 - West Perimeter	
Head Space $N/A/N/A$ ppm		
	Sample Depth:	
P.I.D/FID Calibration Standard: <u>N/A</u>	Sample Time: 1400	
P.I.D./FID Calibration Date : <u>N/A</u>	No. of Sample Containers: <u>1 Canister</u>	
Soil Type: (USCS)N/A	Analyses	
Description: Semipermeable Membrane Device	6. 2.	
	8. 4.	
	10. 6.	
	12. 8.	
	Other Field Measurements:	
	QA/QC samples: Quality Assurance Sample	
	Sampling Method: 2 week deployment in river attached to	
	anchor/buoy system	
Decontamination Method: N/A	Grab: Composite: X	
	Sampler (s): B.P. McNamara, M. Novak, C.Moody	
	Signature:	
Water Quality Observations: <u>N/A</u>		
Invertebrate Sample Observations:		
,		
General Comments: Medium Biofouling (green bro	-	
Quality Assurance Sample sen	nt to USACE Laboratory by Battelle Laboratory	

Sample Type: SPMD	Sample Number: 010619RQ05 Date: 6/19/01
Project: Bradford Island	Project Number: <u>52-00080001.00</u> Task: <u>00004</u>
Weather Conditions: Sunny	Sample Matrix: <u>Semipermeable Membrane Device</u>
	Comments:
PID/FID Backgd: N/A / N/A ppm	Sample Location: Pile #1
Head Space N/A / N/A ppm	
	Sample Depth:
P.I.D/FID Calibration Standard: <u>N/A</u>	Sample Time: 1535
P.I.D./FID Calibration Date : <u>N/A</u>	No. of Sample Containers: <u>1 Canister</u>
Soil Type: (USCS)N/A	Analyses
Description: <u>Semipermeable Membrane Device</u>	<u>7.</u> 2.
	9. 4.
	11. 6.
	13. 8.
	Other Field Measurements:
	QA/QC samples:
	Sampling Method: 2 week deployment in river attached to
	anchor/buoy system
Decontamination Method: N/A	
	Signature:
Water Quality Observations: N/A	
Invertebrate Sample Observations:	
Constitution and the state of t	(and leaves in Clayer Charles)
General Comments: Medium Biofouling	g (green brown organic film) on SPMD.
	<u> </u>

Sample Type: SPMD	Sample Number:	010619RQ06	Date:6/19/01	
Project: Bradford Island	Project Number:	52-00080001.00	Task: <u>00004</u>	
Weather Conditions: Sunny		Sample Matrix: Sem	ipermeable Membrane Device	
		Comments:		
PID/FID Backgd: N/A / N/A ppm		Sample Location: Back	ground Location, Goose Island	
Head Space N/A / N/A ppm				
		Sample Depth:		
P.I.D/FID Calibration Standard: <u>N/A</u>		Sample Time: 1600		
P.I.D./FID Calibration Date : <u>N/A</u>		No. of Sample Containers: 1 Canister		
Soil Type: (USCS) N/A	<u>.</u>		Analyses	
Description: Semipermeable Membrane Device	<u>}</u>	8.	2.	
		10.	4.	
		12.	6.	
		14.	8.	
		Other Field Measureme	ents:	
		QA/QC samples:		
		Sampling Method: 2	week deployment in river attached to	
		anchor/buoy system		
Decontamination Method: N/A			Composite: X	
			McNamara, M. Novak, C.Moody	
		Signature:		
Water Quality Observations: N/A				
Invertebrate Sample Observations:				
		C1) CD C		
General Comments: Low Biofouling (green	en brown organic	film) on SPMD.		

Sample Type: SPMD	Sample Number: 010619RQ02	Date: 6/19/01
Project: Bradford Island	Project Number: <u>52-00080001.00</u>	Task: <u>00004</u>
Weather Conditions: Sunny	Sample Matrix: Semipe	ermeable Membrane Device
	Comments:	
PID/FID Backgd: N/A / N/A ppm	Sample Location: Pile #2	
Head Space N/A / N/A ppm		
	Sample Depth:	
P.I.D/FID Calibration Standard: N/A		
P.I.D./FID Calibration Date : N/A	No. of Sample Containers	: 1 Canister
Soil Type: (USCS) N/A		Analyses
Description: Semipermeable Membrane Device		2.
	11	4.
	12	6.
	15	8.
	Other Field Measurements	s:
	QA/QC samples: Field	Blank, Field /Duplicate
	Sampling Method: 2 we	eek deployment in river attached to
	anchor/buoy system	
Decontamination Method: N/A	Grab:	Composite: X
	Sampler (s): B.P. Mo	eNamara, M. Novak, C.Moody
	Signature:	
Water Quality Observations: N/A		
Invertebrate Sample Observations:		
General Comments: Medium Biofouling	(green brown organic film) on SPMD.	
-	619RQ03, Field Blank: 010619RQ04	
Field Duplicate: 010	013KQ03, Ficiu Dialik. 010013KQ04	